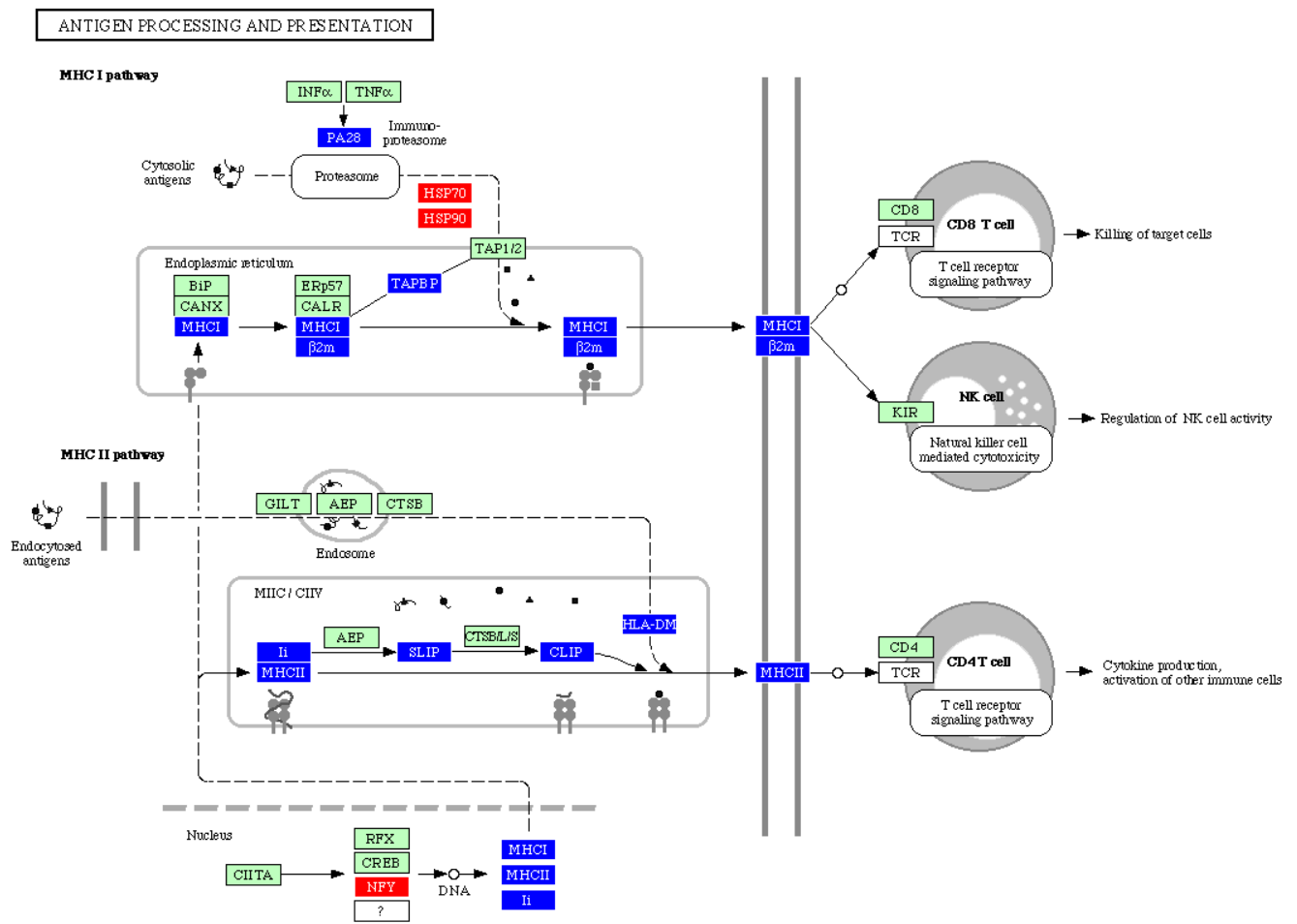


**Additional file 4. Graphical representation of KEGG diagrams.** Graphical representation of microarray results over the nine KEGG pathways significantly affected by the genes differentially expressed between the HIGH and LOW groups ( $p < 0.05$ ). A: Antigen Processing and Presentation; B: *Phosphatidylinositol Signalling*; C: *Biosynthesis of Unsaturated Fatty Acids*; D: *Insulin Signalling*; E: *Type II Diabetes Mellitus*; F: *PAAR Signalling*; G: *Adipocytokine Signalling*; H: *ECM-receptor Interaction*; I: *TGF-beta Signalling*. In red, genes overexpressed in the HIGH group. In blue, genes overexpressed in the LOW group.

1     **Additional file 4A.**

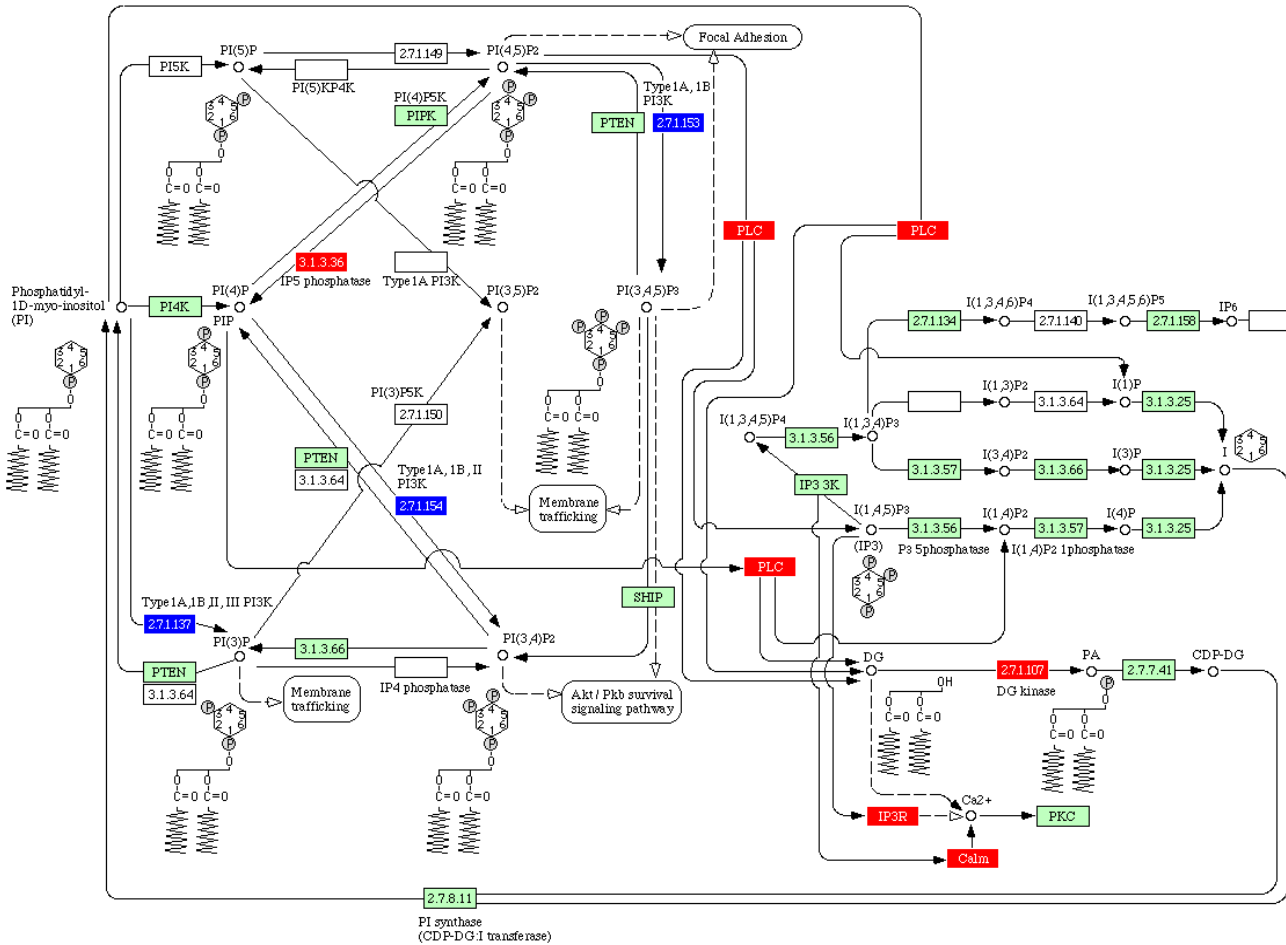
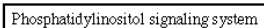


2

3

4

## 1



2

3

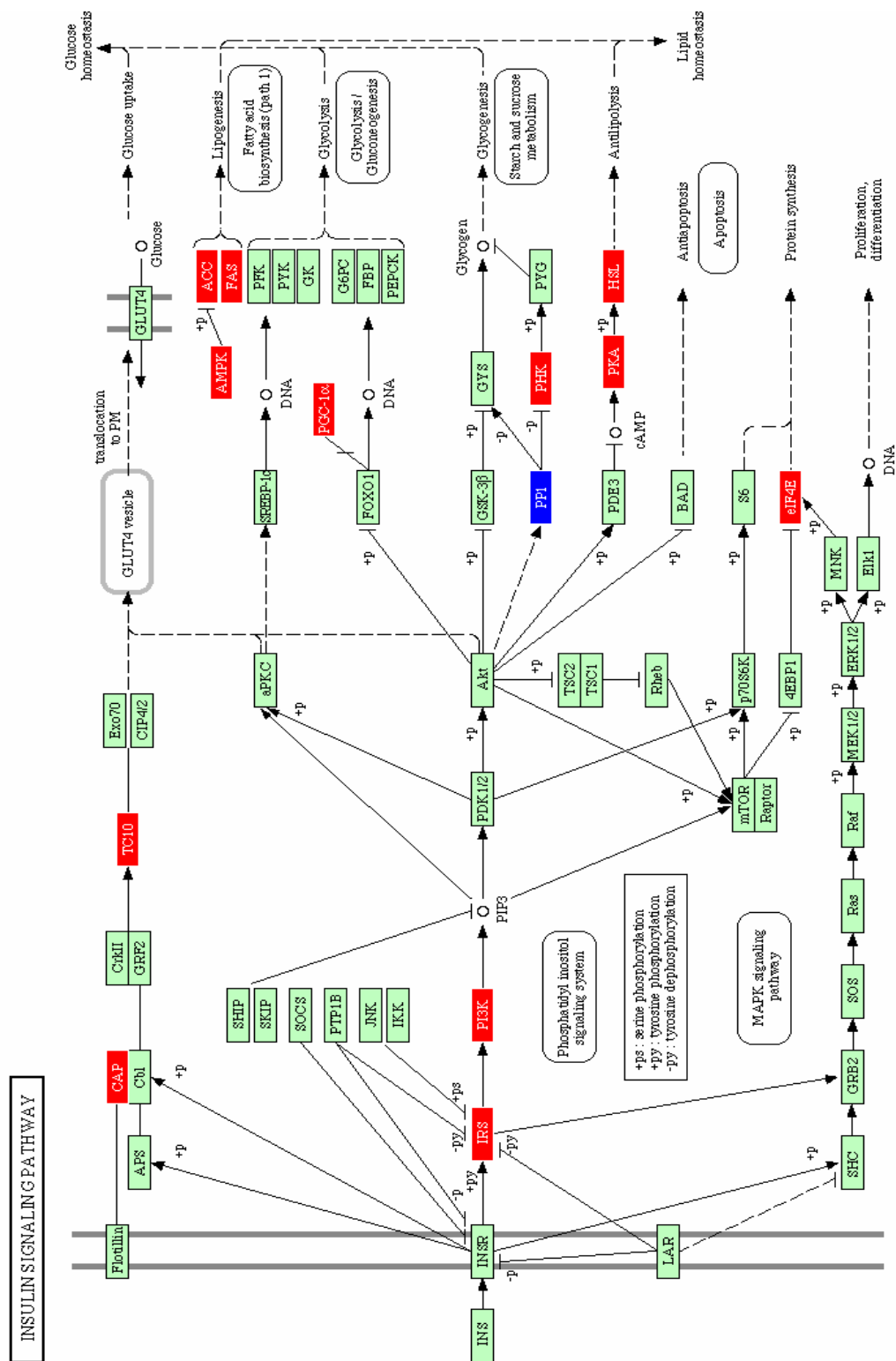
1

## BIOSYNTHESIS OF UNSATURATED FATTY ACIDS



3

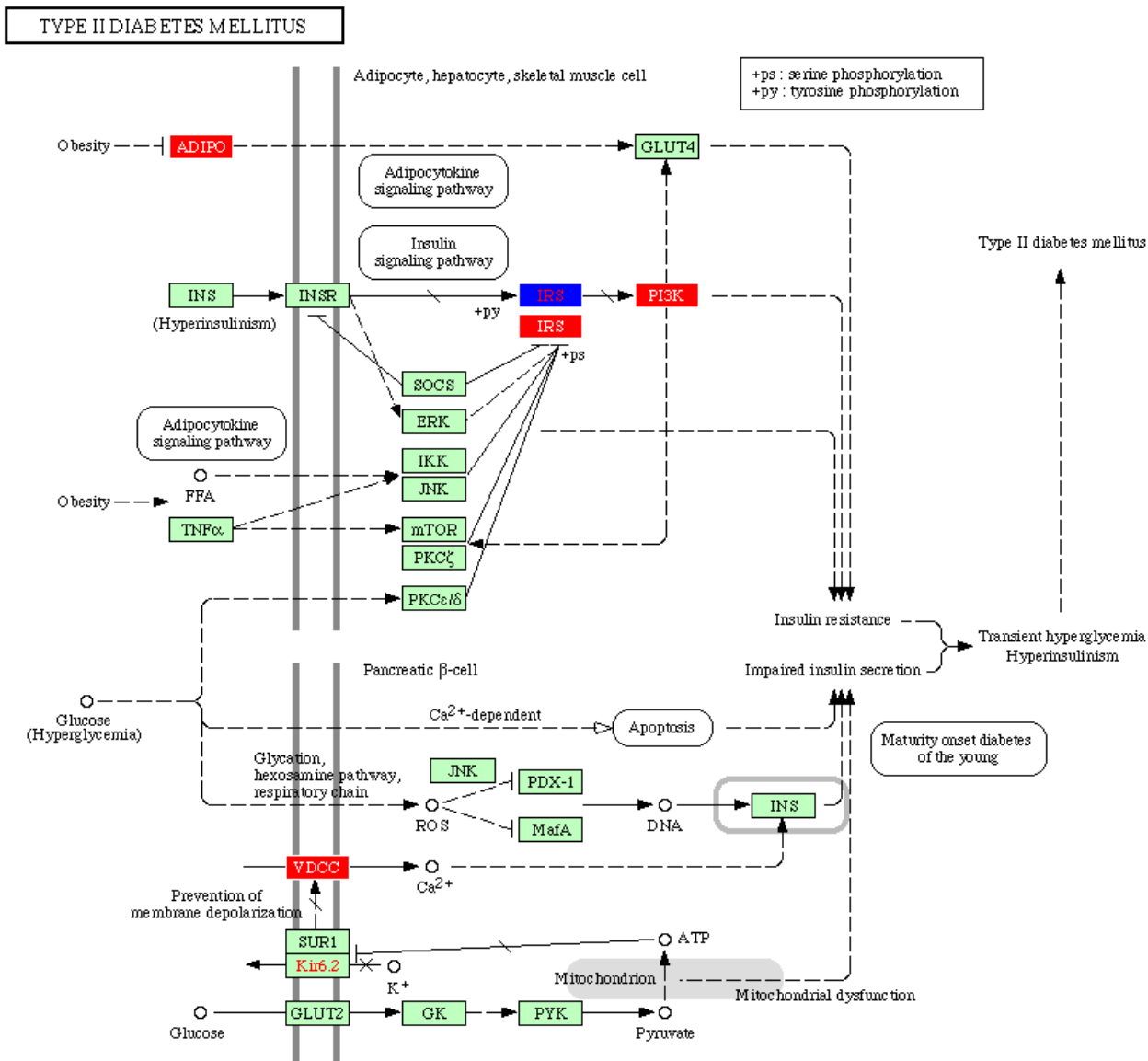
1 Additional file 4D.



2

3

1    **Additional file 4E.**

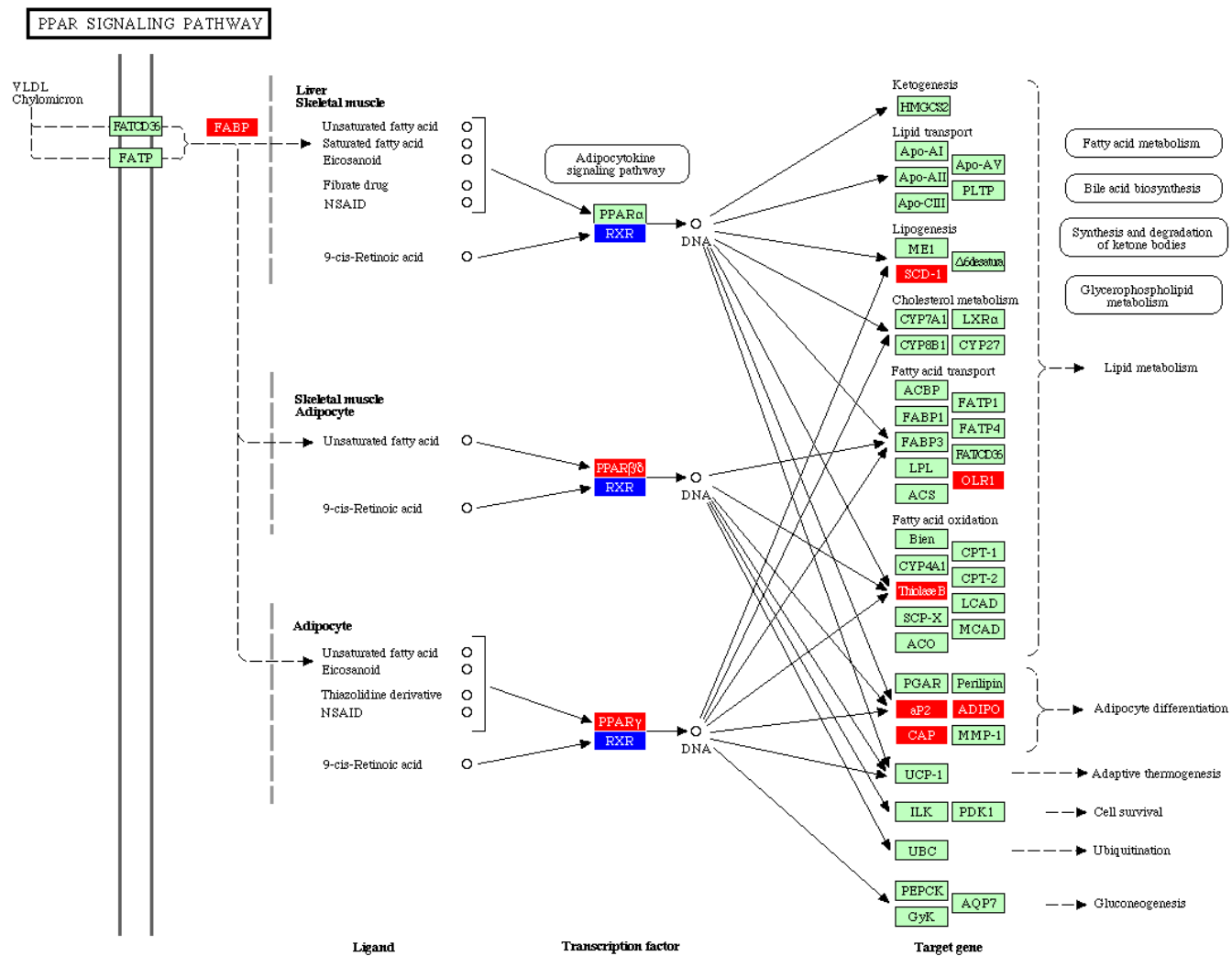


2

3

1     **Additional file 4F.**

2

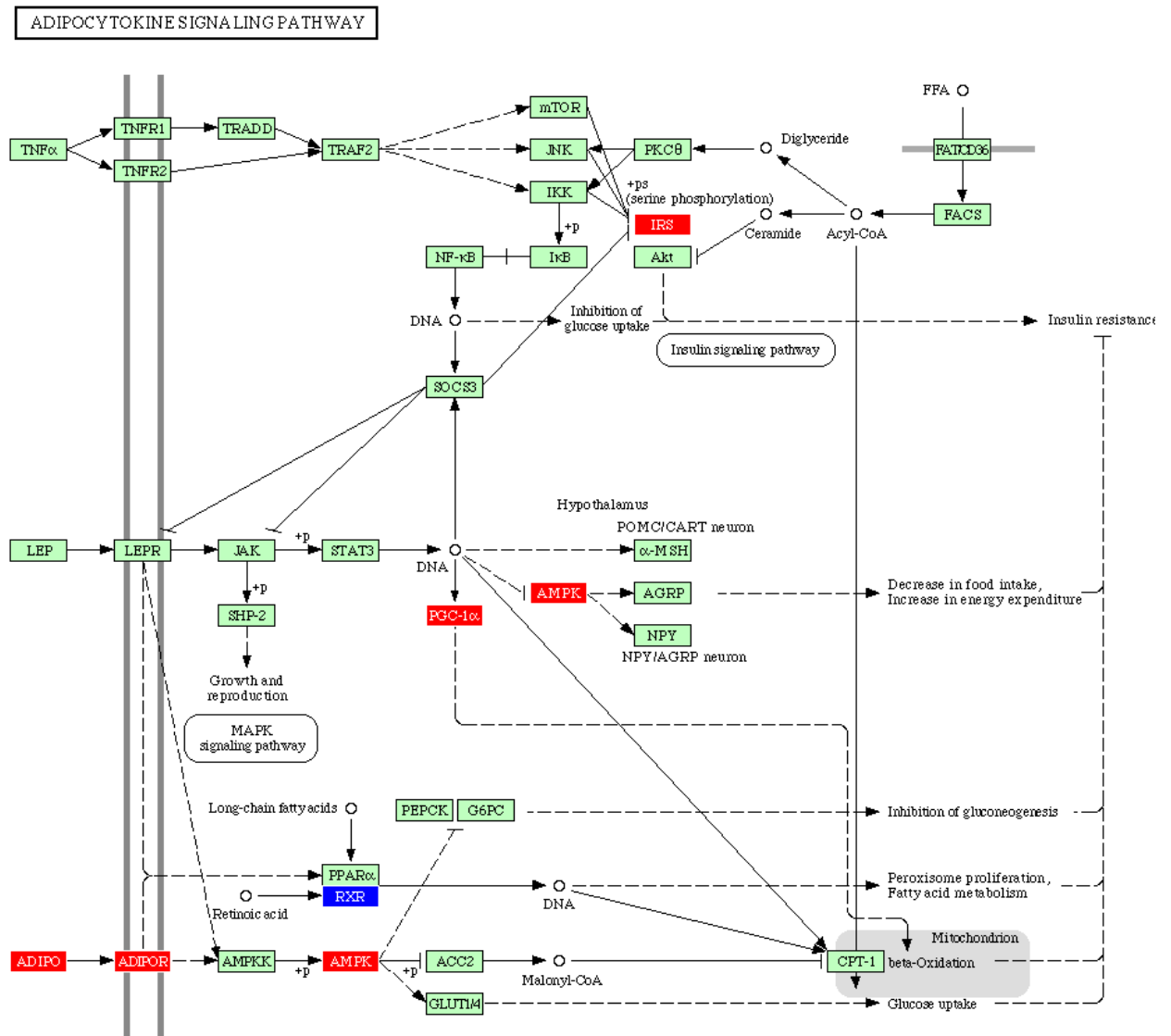


3

4

5

1     **Additional file 4G.**



2

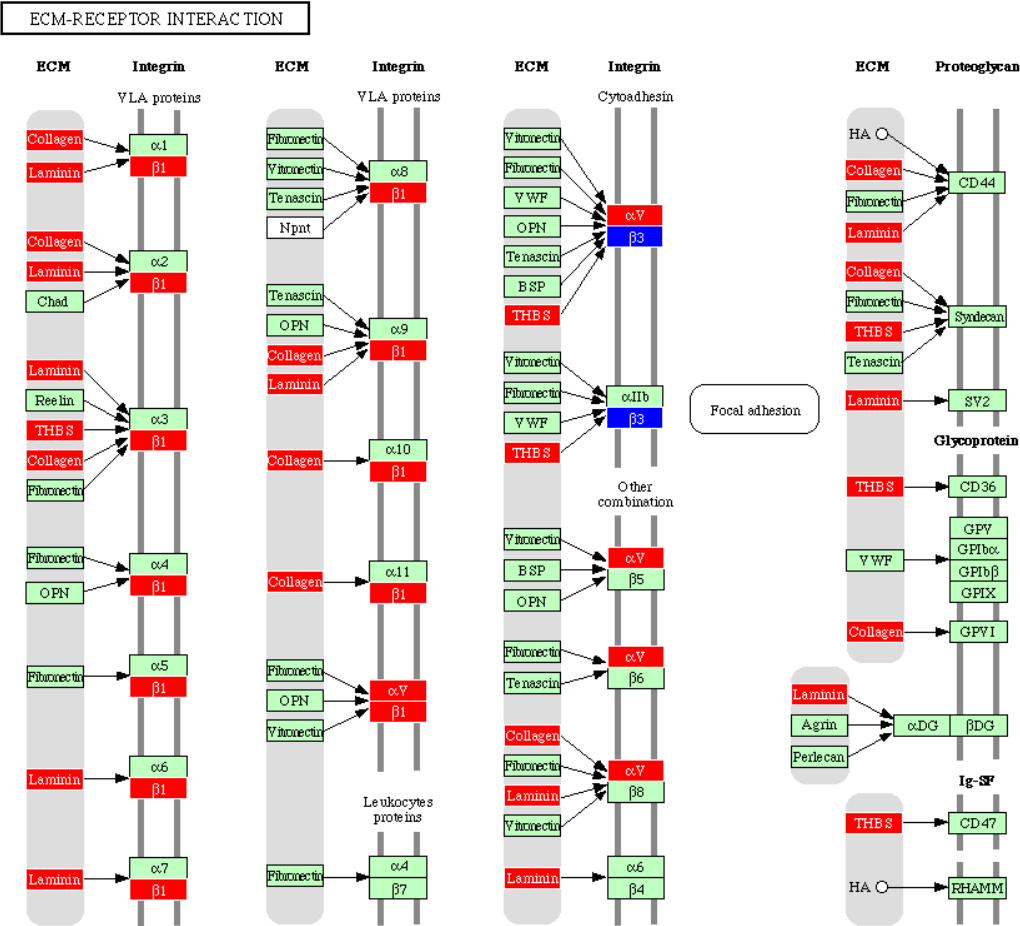
3

4



1     **Additional file 4H.**

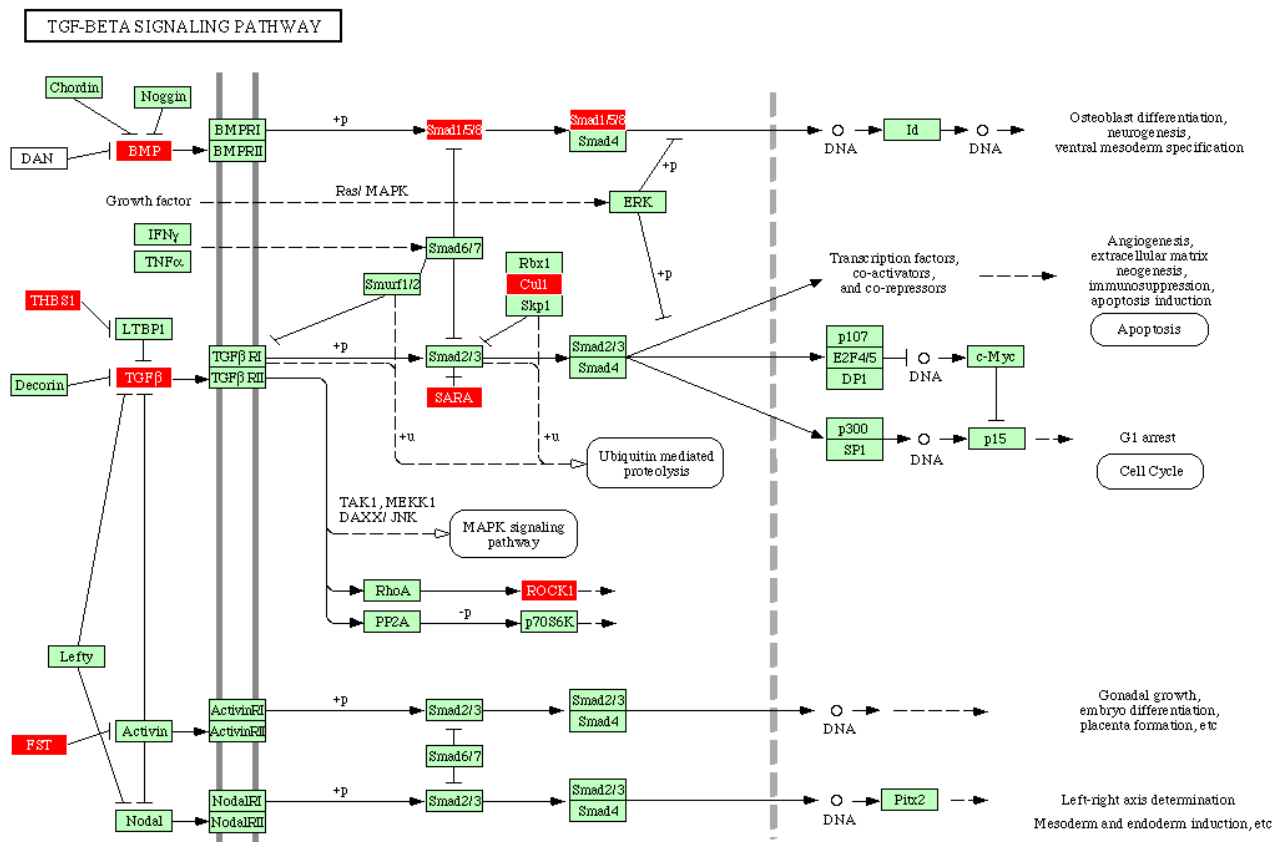
2



3

4

1    **Additional file 4I.**



2

3